

Amendments to the Claims:

A listing of the entire set of pending claims (including amendments to the claims, if any) is submitted herewith per 37 CFR 1.121. This listing of claims will replace all prior versions, and listings, of claims in the application.

No claim has been canceled, added, or amended.

Listing of Claims:

1. (Previously presented) A high frequency driver for a gas discharge lamp that includes a capacitor in parallel to the lamp and an inductor that is in series with the parallel connection of the lamp and capacitor, comprising an oscillator that includes DC input terminals for connecting to a DC source and AC output terminals for connecting to a load comprising the lamp, the inductor and the capacitor, the oscillator providing a lamp voltage at a first high oscillating frequency during ignition of the lamp and at a second high oscillating frequency during normal operation of the lamp after its ignition, wherein at least one of the first and second oscillating frequencies is frequency modulated.
2. (Previously presented) The driver according to claim 1, wherein a ratio of the first high oscillating frequency to the second high oscillating frequency is in a range of 2.2 to 7.
3. (Previously presented) The driver according to claim 1, wherein the ratio is [about] approximately 5.
4. (Previously presented) The driver according to claim 1, wherein the oscillating frequency is frequency modulated with less than 15% of an average of the oscillating frequency.
5. (Previously presented) The driver according to claim 4, wherein the oscillating frequency is frequency modulated with approximately 7% of the average of the oscillating frequency.

6. (Previously presented) The driver according to claim 4, wherein the oscillating frequency is frequency modulated at a modulating frequency that is derived from an AC supply to the DC source.

7. (Previously presented) A method for driving a gas discharge lamp via an oscillator that includes DC input terminals for connecting to a DC source and AC output terminals for connecting to a load comprising an inductor in series with a parallel connection of the lamp and a capacitor, the method including:

providing a lamp voltage at a first high oscillating frequency during ignition of the lamp and

providing the lamp voltage at a second high oscillating frequency during normal operation of the lamp after its ignition,

wherein at least one of the first and second high oscillating frequencies is frequency modulated.

8. (Previously presented) The method according to claim 7, wherein a ratio of the first high oscillating frequency to the second high oscillating frequency is in a range of 2.2 to 7.

9. (Previously presented) The method according to claim 7, wherein the ratio is [about] approximately 5.

10. (Previously presented) The method according to claim 7, wherein the oscillating frequency is frequency modulated with less than 15% of an average of the oscillating frequency.

11. (Previously presented) The method according to claim 10, wherein the oscillating frequency is frequency modulated with approximately 7% of the average of the oscillating frequency.

12. (Previously presented) The method according to claim 10, wherein the oscillating frequency is frequency modulated at a modulating frequency that is derived from an AC supply to the DC source.

13. (Previously Presented) A gas discharge lamp assembly comprising:

a capacitor,

a gas discharge lamp coupled in parallel to the capacitor,

an inductor that is in series with the lamp and capacitor,

a DC supply circuit, and

a driver that includes an oscillator that includes DC input terminals coupled to the DC source and AC output terminals connected to a load comprising the lamp, the inductor, and the capacitor, the oscillator providing a lamp voltage at a first high oscillating frequency during ignition of the lamp and at a second high oscillating frequency during normal operation of the lamp after its ignition, wherein at least one of the first and second oscillating frequencies is frequency modulated.

14. (Previously presented) The assembly of claim 13, wherein the first and second high oscillating frequencies are frequency modulated.

15. (Previously presented) The assembly of claim 13, wherein a ratio of the first high oscillating frequency to the second high oscillating frequency is greater than 2.2.

16. (Previously presented) The assembly of claim 15, wherein the ratio is less than 7.

17. (Previously presented) The driver of claim 1, wherein the first and second high oscillating frequencies are frequency modulated.

18. (Previously presented) The driver of claim 1, wherein a ratio of the first high oscillating frequency to the second high oscillating frequency is greater than 2.2.

19. (Previously presented) The method of claim 7, wherein the first and second high oscillating frequencies are frequency modulated.

20. (Previously presented) The method of claim 7, wherein a ratio of the first high oscillating frequency to the second high oscillating frequency is greater than 2.2.